



PATENT APPLICATION
STC-01-0007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Jaap W. van Hal
 Dorai Ramprasad

Serial No.: 10/619,127

Filed: July 14, 2003

For: A Process Using Water Tolerant Lewis Acids in Catalytic
 Hydration of Alkylene Oxides to Alkylene Glycols

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

The following are being submitted for this Information
Disclosure Statement:

1. Preliminary Statements
2. Concise Explanation of Listed Information Items
3. Forms PTO/SB/08A and PTO/SB/08B
4. Copies of Listed Information Items

This Information Disclosure Statement submitted herewith is
being filed **BEFORE THE MAILING DATE OF A FIRST OFFICE ACTION ON
THE MERITS** under 37 CFR §1.97(b)(3).

PRELIMINARY STATEMENTS

Pursuant to the provisions of 37 CFR §§1.97 et. seq., the Applicants submit the documents of which they are currently aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose. The filing of this Information Disclosure Statement shall not be construed as a representation that a search of the prior art was made, that an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists or as an admission against interest in any manner.

CONCISE EXPLANATION OF LISTED INFORMATION ITEMS

The documents identified on the attached form PTO/SB/08A are referenced in the Specification of the patent application as filed. Copies of the documents cited are enclosed. The Examiner is requested to consider these documents and to indicate that these documents are made of record in the first Office Action.

Submitted herewith is an English abstract or translation of the material portions of the following document:

"Bismuth(III) Chloride and Triflate - Novel Catalysts for Arylation and Sulphonation Reactions - Review", Le Roux C et al, SynLett, 2002, 181

SERIAL NO. 10/619,127
VAN HAL, RAMPRASAD

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FEE

The Commissioner is hereby authorized to charge any fees which may be required by filing this paper or credit any overpayment to Account No. 502025.

Respectfully submitted,

Jim Wheelington

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CERTIFICATE OF MAILING 37 CFR §1.8	
I hereby certify that this correspondence along with any other paper referred to as being attached or enclosed is being deposited with the United States Postal Service with sufficient postage as first class mail on the date indicated below and is addressed to:	
Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450	
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/619,127
Filing Date	July 14, 2003
First Named Inventor	van Hal
Art Unit	
Examiner Name	
Attorney Docket Number	STC-01-0007

Sheet 1 of 2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5260495	11-09-1993	Forkner	
		US- 5874653	02-23-1999	Van Kruchten	
		US- 4967018	10-30-1990	Soo et al.	
		US- 5488184	01-30-1996	Reman et al.	
		US- 6187972	02-13-2001	Kawabe et al.	
		US- 4307256	12-22-1981	Cipriana et al.	
		US- 6444857	09-03-2002	Seko et al.	
		US- 6362375	03-26-2002	Walker	
		US- 6352954	03-05-2002	Kobayashi	
		US- 6348631	02-19-2002	Desmurs et al.	
		US- 6194580	02-27-2001	Greenwald et al.	
		US- 6111135	08-29-2000	Adelman et al.	
		US- 6040484	03-21-2000	Costantini et al.	
		US- 5990264	11-23-1999	Drysdale	
		US- 5948696	09-07-1999	Dolle, III et al.	
		US- 5770678	06-23-1998	Drysdale et al.	
		US- 5728901	03-17-1998	Ramprasad et al.	
		US- 4543430	09-24-1985	Falgoux et al	
		US-			

FOREIGN PATENT DOCUMENTS

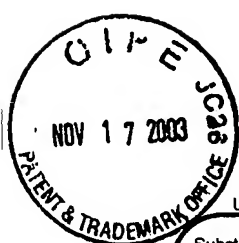
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

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Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08B (08-03)

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Sheet 2 of 2	Application Number	10/619,127
	Filing Date	July 14, 2003
	First Named Inventor	van Hal
	Art Unit	
	Examiner Name	
Attorney Docket Number		STC-01-0007

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"Indium Triflate: An Efficient Catalyst for the Friedel-Crafts Acylation of Aromatics", C.G. FROST et al., Fourth International Electronic Conference on Synthetic Organic Chemistry (ECSOC-4), www.mdpi.org/ecsoc-4.htm, September 1-30, 2000 (uploaded August 3, 2000)	
		"Bismuth(III) Chloride and Triflate - Novel Catalysts for Arylation and Sulphonation Reactions - Review", LE ROUX C et al, SynLett, 2002, 181	
		"The Search for Larger and More Weakly Coordinating Anions", S. H. STRAUSS, Chem. Rev., vol. 93, p. 927-942 (1993)	
		"Structure and Characterization of Cl3+[Al(OC(CF3)3)4]-; Lewis Acidities of CX3+ and BX3", I. KROSSING et al., Angew. Chem. Int. Ed., vol. 42, p. 1531-1534 (2003)	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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